

20000925.qrp v01_n955.qrl.20000925

Date: Mon, 25 Sep 2000 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1955

QRP-L Digest 1955

Topics covered in this issue include:

- 1) [80160] Re: ALL: Looking for connectors
by "Chuck Carpenter" <w5usj@globeco.net>
- 2) [80161] TS-50 Power reduction needed
by N10DL@aol.com
- 3) [80162] Re: ALL: Looking for connectors
by KB7WW Art Moe <kb7ww@chatusa.com>
- 4) [80163] wire/rope ant... need help
by Robert McAtee <w5tnj@camalott.com>
- 5) [80164] NC-20 Problem
by "Ed Nelson" <edxnelson@home.com>
- 6) [80165] RE: TS-50 Power reduction needed
by Radman <radman@best.com>
- 7) [80166] Who has Weller WTCPT on sale?
by n3wt@juno.com
- 8) [80167] Felicitations Fellow Filter Fanatics
by lenny wintfeld <w2bvh@home.com>
- 9) [80168] FOR K3QXH - I built the Wonderbar Antenna...it works !
by WB9MII@aol.com
- 10) [80169] What a great weekend for DX etc !
by n4qa@juno.com
- 11) [80170] 455khz IF transformer
by Fran Flynn <fflynn@together.net>
- 12) [80171] Unanswerable DX questions...or It was a good QRP week...
by Kevin L Anderson <k9iua@juno.com>
- 13) [80172] TS-50 Thanks
by N10DL@aol.com
- 14) [80173] Re: What a great weekend for DX etc !
by "Trevor Jacobs" <fxtech@earthlink.net>
- 15) [80174] K2 QSLs
by M Goins <mgoins@usa.net>
- 16) [80175] Re: Unanswerable DX questions...or It was a good QRP week...
by wa4dou@excite.com
- 17) [80176] Re: Unanswerable DX questions...or It was a good QRP week...
by wa4dou@excite.com
- 18) [80177] Re: What a great weekend for DX etc !
by n4qa@juno.com
- 19) [80178] DOW KEY DKC-TRM-1

by "Vernon L. Martin" <lmartin@uswest.net>
20) [80179] First QSO w/SMK-1
by "Steve/n0tu" <n0tu@webaccess.net>
21) [80180] Apartment Antenna
by Karl Banaszek <kaylon@golden.net>
22) [80181] Re: Apartment Antenna
by aweiss@usd.edu (Ade Weiss W0RSP)
23) [80182] Little Wonder Antenna - How I put mine together
by WB9MII@aol.com
24) [80183] Re: Little Wonder Antenna - How I put mine together
by "Pastor-KC1DI" <elbc@pivot.net>
25) [80184] RE: Info on C & D cells current capacity
by Vic Winton <Vic.Winton@trafford-press.com>
26) [80185] RE: DOW KEY DKC-TRM-1
by "Ed Tanton" <n4xy@att.net>
27) [80186] Need MODEM CHIPS TCM3105
by "OSVALDO DANGELO" <lu7fdz@profarnet.com.ar>
28) [80187] Re: PHds and Filters
by "Bruce Kizerian" <kizerian@ced.utah.edu>
29) [80188] NC-20 Problem
by "Ed Nelson" <edxnelson@home.com>
30) [80189] Re: TS-50 Power reduction needed
by Jake Brodsky <frussle@erols.com>
31) [80190] RE: N5TW Bubba log
by Torell Kent-P12255 <Kent_Torell-P12255@email.mot.com>
32) [80191] Re: Apartment Antenna
by W1R0@aol.com
33) [80192] Summer QRPp in the mail today
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
34) [80193] Re: Brass Thin-Wall Hobby Tubing ??s
by igeq100@iupui.edu
35) [80194] CQWW RTTY contest QRPp
by Jim Hale <kj5tf@yahoo.com>
36) [80195] Re: NC-20 Problem
by Rod Cercone <n0rc@yahoo.com>
37) [80196] Club Kits: NorCal Epiphyte 3 SSB Transceiver
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
38) [80197] RE: Clamping beam elements
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
39) [80198] Antennas Feedline question....
by bob confrey <bob.confrey@SciAtl.COM>
40) [80199] Re: Antennas Feedline question....
by "Mike Yetsko" <myetsko@insydesw.com>
41) [80200] Epiphyte 3 on 75 meters SSB
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
42) [80201] RE: Complete DXer - SOLD OUT - gone!
by Mike Gipe <mgipe@reliablemeters.com>
43) [80202] Re: Complete DXer - SOLD OUT - gone!

- by Bill Jones <kd7s@psnw.com>
- 44) [80203] Re: Info on C & D cells current capacity
by RangerSF5@aol.com
- 45) [80204] got it!
by "Hans Kaper" <hanskap@kaper-1.tmfweb.nl>
- 46) [80205] Epiphyte 3's are going fast
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 47) [80206] Jim Cates mailing address for Epiphyte3 orders
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 48) [80207] Re: Apartment Antenna
by "Rick - WW9JD" <ww9jd@arrl.net>
- 49) [80208] Epiphyte 3 kits. 50 sold, 50 left
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 50) [80209] Desoldering tools
by "Juan Ferrari" <puntrad@usa.net>
- 51) [80210] Was Re: Repairing Die Cast Boxes (LONG)
by George Gingell <k3tks@u1.abs.net>
- 52) [80211] Re: Need MODEM CHIPS TCM3105
by "laura halliday" <marsgal42@hotmail.com>
- 53) [80212] QRP ARCI CUB Kit Project
by markmilburn <markmilburn@netzero.net>
- 54) [80213] Diplexers - all you need to know
by Pat Byers <pbyers@rttinc.com>

Date: Sun, 24 Sep 2000 18:21:49 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: KC1WJ <kc1wj@kc1wj.com>, MOON-NET@VM.STLAWU.EDU, ham-list@ysham.com, qrp-
l@Lehigh.EDU, 50mhz@6mt.com, vhf@w6yx.stanford.edu
Subject: [80160] Re: ALL: Looking for connectors
Message-ID: <3.0.2.32.20000924182149.00695de8@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi William,

Try the RF Connection

<http://www.therfc.com>

And The Radio Works

<http://www.radioworks.com>

both have good stuff at good prices.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sun, 24 Sep 2000 19:30:18 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [80161] TS-50 Power reduction needed
Message-ID: <f4.2fb437c.26ffe88a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Does anyone have the instructions on how to reduce the power on the Kenweed TS-50? I can only get it to go down to 10 watts. Would like to run it QRP.
Thanks,
Aron
N10DL

Date: Sun, 24 Sep 2000 16:19:31 -0700
From: KB7WW Art Moe <kb7ww@chatusa.com>
To: w5usj@globeco.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [80162] Re: ALL: Looking for connectors
Message-ID: <39CE8C03.CEF2B744@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck left a / out of the URL

should be:

<http://www.therfc.com>

Chuck Carpenter wrote:

>
> Hi William,
>
> Try the RF Connection
>
> <http://www.therfc.com>
>
> And The Radio Works
>
> <http://www.radioworks.com>

>
> both have good stuff at good prices.
>
> Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sun, 24 Sep 2000 13:31:10 -0500
From: Robert McAtee <w5tnj@camalott.com>
To: qrp-1@lehigh.edu
Subject: [80163] wire/rope ant... need help
Message-ID: <3.0.3.32.20000924133110.007ab8b0@mail.camalott.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Joel you won smart injin-eer. You getem good circle and can den talk
to ur self. Dat get rid of dem Q R & M felles. ==Mac== AG5F, Abilene, TX.

Joel, KE1LA wrote?
SNIP SNIP.....
seems to me, at least on forty this should turn my pattern in a circle
as I add or subtract twinlead... any thoughts would be apreciated...
kella joel
in maine
wondering

Date: Sun, 24 Sep 2000 19:58:38 -0400
From: "Ed Nelson" <edxnelson@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80164] NC-20 Problem
Message-ID: <021201c02683\$5c57c0c0\$2c490b18@prntn1.nj.home.com>

Finished putting the NC-20 together today and got no voltage at the RF point
when I tried to tune the transmitter (also no reading on a very sensitive
watt meter in front of the dummy load). I shut off the keyer side tone and
there was no transmitter sidetone with key down.
I re-checked for solder bridges and correct part placement and orientation
and everything looks good. The receiver and everything else seems to work
fine.
Anyone have any suggestions where I should start looking?
Ed W4EN

Date: Sun, 24 Sep 2000 17:19:14 -0700
From: Radman <radman@best.com>
To: "'N10DL@aol.com'" <N10DL@aol.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [80165] RE: TS-50 Power reduction needed
Message-ID: <01C0264B.93F3B940@radman.vip.best.com>

Hi Aron & the gang,

You need to read, "'Honey - I Shrunk the Rig" by Bob Gobrick WA6ERB.
Here's the URL: <http://sun502.ramk.fi/~te8paloa/scanner/mods/Ts50.txt>

This QRP mod involves removal of the rig's covers and re-adjusting one or two pots for low power setting. Be aware that the Kenwood ATUs *may* require 10W to auto-tune, so changing the low power setting on the TS-50 *could* result in insufficient power to actuate the Kenwood ATU - if you use one. This mod's been around for a long time - simple to do, and simple to reset to factory defaults.

GL es gud DX,

Conrad Weiss - NN6CW

From: N10DL@aol.com[SMTP:N10DL@aol.com]
Sent: Sunday, September 24, 2000 4:30 PM
To: Low Power Amateur Radio Discussion
Subject: TS-50 Power reduction needed

Does anyone have the instructions on how to reduce the power on the Kenweed TS-50? I can only get it to go down to 10 watts. Would like to run it QRP.

Thanks,

Aron
N10DL

Date: Sun, 24 Sep 2000 20:21:29 -0400
From: n3wt@juno.com
To: qrp-1@lehigh.edu
Subject: [80166] Who has Weller WTCPT on sale?
Message-ID: <20000924.202129.-32127.0.n3wt@juno.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What is company that has the Weller WTCPT solder station on sale for \$89.00. I deleted the post of a few days ago before I decided I want one. Thanks

John, N3WT

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 24 Sep 2000 20:09:46 +0930
From: lenny wintfeld <w2bvvh@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [80167] Felicitations Fellow Filter Fanatics
Message-ID: <39CDD9F1.15E14459@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually I'm not a filter fanatic but it gave me an opportunity to use onomatopoeia (or was it alliteration) in the subject line. Too many years since college, I think....

Anyway, I'm the culprit who started the "What's the best book on filter design" thread about a week ago. There were so many well thought out (and a few not so well thought out) replies, I feel compelled to summarize them by way of thanks for all your efforts:

9 recommendations for A. Zverev "Handbook of Filter Synthesis

3 recommendations for "Reference Data for Radio Engineers" (ITT)

3 recommendations for A. Williams/ F Taylor "Electronic Filter Design Handbook"

2 recommendations for "ARRL Handbook"

2 recommendations for AADE "Filter Design and Analysis" Software

1 recommendation for each of the following:

H. Y-F Lam "Analog & Digital Filters: Design & Realization"

R Schaumann "Design of Analog Filters: Passive Active and Switched Capacitor"

D. Lancaster "Active Filter Cookbook"

R Rhea "HF Filter Design & Computer Simulation"

Geffe "Simplified Modern Filter Design"

DeMaw & Hayward "Intro. to Solid State Design"

Horowitz & Hill "The Art of Electronics"

Sherlab "Filter.exe" Active filter design s/w

and one recommendation to forget filters and get a recent issue of Playboy.

Well Zverev is not in my budget, tho I will at least try to find a copy to look at in some big city library. It would be nice to see why so many people like it. And if it's a lending library I guess I could borrow the book when I need it.

Amazon has Williams / Taylor for \$89.95. Another real expensive book, but I intend to get a copy of this one when my budget allows.

For 10 free runs then \$24.94 for a license the AADE software seems like the thing to get right away.

Thanks *VERY MUCH* to all for your recommendations. This thoughtfulness and kindness is what the QRP-L is all about.

Best 73

Lenny Wintfeld W2BVH
in Cranford NJ

Date: Sun, 24 Sep 2000 20:43:59 EDT
From: WB9MII@aol.com
To: qrp-l@lehigh.edu

Subject: [80168] FOR K3QXH - I built the Wonderbar Antenna...it works !
Message-ID: <c.b0f7f8c.26fff9cf@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Howdy....

Per the article you very kindly sent me I made up a Wonderbar antenna. So as to fit between my floor and ceiling it was a tad shorter than the article said, but it sure works. Hooked it (via an MFJ ATU) to my venerable Century 21. At 8 watts on 3665 Kc I checked into the ILN traffic net under terrible QRN. Worked a guy in TN (we were both QRP) and he swore up and down I was 599. Wish I'd have tried this when I first moved in here. Thanks again
72

Greg WB9MII

Date: Sun, 24 Sep 2000 21:44:33 -0400
From: n4qa@juno.com
To: qrp-1@Lehigh.EDU
Subject: [80169] What a great weekend for DX etc !
Message-ID: <20000924.214436.-85717.0.n4qa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi, gang.

When i turn on the R/S DX-390 rcvr down here in the den (whip ant only) and hear sigs on ten, i know it's time.

So, dusted off HW-7, HW-8 and HW-9 and hauled 'em all out to the pickup to try some DDX (Driveway DX). Antenna is a Hustler whip mounted on the rear bumper.

Now, I'm no big dx'er, but once in a while, I succumb to temptation(s).

First off, worked all the way into MICHIGAN on 20 with the HW-7 !

Then got "serious" and worked GM3, S51, IZ3 and a bunch of other stuff on 10 with the HW-9. Spent most of Sunday with the HW-8 on 20 & 15...worked VP9, HQ0, VY2, VE1,J3, W7 etc.

Also, was listening to an oldies station... stuff like Bobby Vee, Chuck Berry, The Hollies,Mamas & Papas, Wilson Pickett... MAN! What a groovy weekend! The Wife & I even had pizza today! Farrrrr... out!

Hope everybody got some! (qrp DX, that is)!

73 -1,

Bill, N4QA

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 24 Sep 2000 22:28:14 -0400
From: Fran Flynn <fflynn@together.net>
To: qrp-l@lehigh.edu
Subject: [80170] 455khz IF transformer
Message-ID: <39CEB83E.5A28030A@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Perhaps a ceramic filter might be the thing. Of course you might have to buy rather than build it. Try RFparts or maybe Dan's small parts. I used some of these to narrow up the IF bandpass in an old R-174 (tubes) shortwave reciever. With the filters it was much better on the ham bands. (It was the only thing I could afford when I was a novice in 1979) By the way, I got the filters I used from a dead Pioneer hifi receiver's AM IF strip. To further narrow the bandpass, I added a Q-multiplier (basically feedback in one of the IF stages), that, along with the variable gain pot that I added to manually ride the AGC voltage to that IF stage, (the pot varied the control grid bias) made it fairly good for CW on 40 meters. What I had in effect was a regenerative stage in the IF of a superhet receiver. Some shortwave recievers add feedback to the IF strip for what is in effect, a BFO (beat frequency oscillator) to demodulate CW and SSB. Heathkit did this in one of thier models, don't have the model number off hand. There are lots of things you can do, ain't it fun?

73 Fran km1z

Date: Sun, 24 Sep 2000 22:33:45 EDT
From: Kevin L Anderson <k9iua@juno.com>
To: QRP-L@lehigh.edu
Subject: [80171] Unanswerable DX questions...or It was a good QRP week...
Message-ID: <20000924.212858.5367.0.K9IUA@juno.com>

G'Day Mates.

It was a good two weeks for QRP DX west of Lake Wobegon, here on the plains where frost now appears at night. I am now up to 69 DXCC entities in my quest to get the 100 log entries needed

for the Millenium DXCC, thanks to two European contests and some good conditions on 10 and 15 meters..

In between these elusive contacts, I have time to ponder several unanswerable questions. Just for fun, they are (no, you don't want to answer these):

- why does it seem on totally empty bands (for SSB and CW), I seem to always hear the digital folks? and loud ones at that?
- why are the loudest voice signals, even on dead bands, from folks who are speaking in languages I don't know?
- why do operators seem to go QRT or QSY just when I start calling them? or the band conditions suddenly weaken?
- where are the operators with good ears during contests when I need them outside of a contest?
- why do operators with amplifiers congregate together?
- why are countries suddenly so prevalent on the band once you work them and don't need them anymore for a country in the log?
- why are splits something like +5 kHz, when my RIT can only give me about 1.5 kHz?
- do the helpful DX patrol officers really enjoy just sitting there and saying "UP"?

No, you don't want to go there from here by trying to answer these question -- I know they are unanswerable and are there just to frustrate me as a part of life.

Thanks for reading! Good DX (if you want it)....

Cheers/73. Kevin, K9IUA

DXCC Watch: 69 in the log Latest countries worked -- Iceland, Denmark, Latvia, Midway Island, Venezuela, Uruquay, Puerto Rico, Grenada, Aland Island, Northern Ireland, Australia, and Alaska.

* * * * *
Kevin Anderson, K9IUA, Lincoln/Bismarck ND
e-mail: K9IUA@juno.com Opinions all my own.
* * * * *

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 24 Sep 2000 22:45:57 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [80172] TS-50 Thanks
Message-ID: <37.a9b0da6.27001665@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I wish to thank all who responded to my post about reducing the power on the TS-50. I now am running at 5 Watts. Thanks all....Much appreciated.
Aron
N10DL/qrp (again)
Bedford, NH

Date: Sun, 24 Sep 2000 20:30:14 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <n4qa@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80173] Re: What a great weekend for DX etc !
Message-ID: <00b401c026a0\$ebdc9aa0\$ee9ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bill,
 Funny thing is that just as your e-mail came across, I had just finished replacing the finals (don't ask) in my HW-9 and am in the process of giving it an alignment. I really like that rig along with my HW-8 and HW-7. HW-8 was my first rig. 15 meters was great today. I worked a few stations in the local vicinity before noon, but then came the prize! I worked KA1BNO in West Warwick, RI!!! That's about as far away as you can get

in the conus from Burbank,CA! Was a great QSO and lasted for about 30 minutes. Hope these band condition continue! 73

Trev
KG6CYN

P.S. Have you done any mods to your HW-7?

----- Original Message -----

From: <n4qa@juno.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Sunday, September 24, 2000 6:44 PM

Subject: What a great weekend for DX etc !

> Hi, gang.
> When i turn on the R/S DX-390 rcvr down here in the den (whip ant only)
> and hear sigs on ten, i know it's time.
> So, dusted off HW-7, HW-8 and HW-9 and hauled 'em all out to the pickup
> to try some DDX (Driveway DX). Antenna is a Hustler whip mounted on the
> rear bumper.
> Now, I'm no big dx'er, but once in a while, I succumb to temptation(s).
> First off, worked all the way into MICHIGAN on 20 with the HW-7 !
> Then got "serious" and worked GM3, S51, IZ3 and a bunch of other stuff on
> 10 with the HW-9. Spent most of Sunday with the HW-8 on 20 & 15...worked
> VP9, HQ0, VY2, VE1,J3, W7 etc.
> Also, was listening to an oldies station... stuff like Bobby Vee, Chuck
> Berry, The Hollies,Mamas & Papas, Wilson Pickett... MAN! What a groovy
> weekend! The Wife & I even had pizza today! Farrrrr... out!
> Hope everybody got some! (qrp DX, that is)!
> 73 -1,
> Bill, N4QA
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.
>

Date: 24 Sep 00 22:24:16 EST
From: M Goins <mgoins@usa.net>
To: qrp-l@LeHigh.EDU
Subject: [80174] K2 QSLs
Message-ID: <20000925032416.18693.qmail@aw164.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: quoted-printable

mgoin wrote: =

If you find someone willing, and need to make us a minimum of
some sort, count me in. I would very much like some too and I =
need some new cards.

Steve (the original poster) said: =

You're now the 4th person who has said the same thing.
Someone should post to the list that since there obviously =
is quite a bit of interest, discussion should be posted to =
the list, not private mail like I asked.

Well, here it is. Anyone want to get this started? I'm sure there are oth=
ers
who would want cards too. I don't have a printer connection, but I will d=
o it
if no one else wants to take this project on. =

If anyone wanting cards will send me an e-mail off-list with the number o=
f
cards they want, I'll do some checking and see what is possible. No money=
changes hands until I can find something out and get some prices and all =
will
be at whatever the actual cost of printing and shipping turn out to be. I=
f
anyone wants to work together on this, has photos (what about the elecraf=
t
screen saver photos?), suggestions, or some printer/qs1 card connection, =
let
me know. It might take a while, but I'll do some checking around.

If anyone has a K2 card that might be shared, please let me know. =

mike =

wb5yjx =

k2#621

=

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Sun, 24 Sep 2000 20:24:37 -0700 (PDT)
From: wa4dou@excite.com
To: qrp-1@lehigh.edu
Subject: [80175] Re: Unanswerable DX questions...or It was a good QRP week...
Message-ID: <27427179.969852277319.JavaMail.imal@chilly.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Kevin,
Actually, i think many of these questions are answerable(see below)

On Sun, 24 Sep 2000 22:33:45 EDT, k9iua@juno.com wrote:

>
> - why does it seem on totally empty bands (for
> SSB and CW), I seem to always hear the
> digital folks? and loud ones at that?

Pretty clear that propagation exists even though there is no non-digital traffic apparent. Some of the digital traffic may be from "unattended" stations who have no human to "realize it."

> - why are the loudest voice signals, even on
> dead bands, from folks who are speaking
> in languages I don't know?

Its not unusual for N-S propagation to exist when there is no other. Central and South America fit the bill for us in the U.S. They tend to revert to "native " language when they think the band isn't open.

> - why do operators seem to go QRT or QSY just
> when I start calling them? or the band conditions
> suddenly weaken?

Randomness. At times randomness works the other way, thus in your favor too!

>

> - where are the operators with good ears during
> contests when I need them outside of a contest?

Its not unusual for big gun testers to be inactive outside of their particular contests. Equally not unusual, they're dx'ers and listening, listening,

>
> - why do operators with amplifiers congregate
> together?

People tend to gravitate towards those of similiar interests and mindsets.(power begets power!)

>
> - why are countries suddenly so prevalent on
> the band once you work them and don't need
> them anymore for a country in the log?

Until you're conscious of something you don't necessarily notice it. I bought a Ford Ranger a couple of years ago. Then i saw them everywhere! The road is "eat up " with them.

>
> - why are splits something like +5 kHz, when my
> RIT can only give me about 1.5 kHz?

Your rig lags behind the times. I once worked Mauritania in Africa on 40 meter SSB. He was down well below 7100 khz. and listening above 7150 khz. I had a Drake TR-4 and i spun my knob up to a suitable spot and called him, and spun it down to receive the reply. A pretty good feat and i got him with almost no words lost. :o) (you do what you have to do)(i tracked down and purchased a remote vfo for my Drake rig shortly thereafter)

>
> - do the helpful DX patrol officers really enjoy just
> sitting there and saying "UP"?

I doubt that they enjoy it anymore than they enjoy hearing stations calling the dx on his frequency, all the while the dx indicating he's listening "up." If you listen to pileups these days, you'll notice how many of the "calling stations" keep right on calling and never seem to hear the dx. Also you'll notice there are many who never learn to develop any sense of "timing." And the really amusing part is, many of these "offenders" hold 2 letter calls. :o)

>

> No, you don't want to go there from here by trying
> to answer these question -- I know they are
> unanswerable and are there just to frustrate me
> as a part of life.

Kevin, some of it, at times, is just the "Murphy factor."

>
> Thanks for reading! Good DX (if you want it)....
>
> Cheers/73. Kevin, K9IUA

Say Bye to Slow Internet!
<http://www.home.com/xinbox/signup.html>

Date: Sun, 24 Sep 2000 20:24:56 -0700 (PDT)
From: wa4dou@excite.com
To: qrp-1@lehigh.edu
Subject: [80176] Re: Unanswerable DX questions...or It was a good QRP week...
Message-ID: <9218420.969852296538.JavaMail.imal@chilly.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Kevin,
Actually, i think many of these questions are answerable(see below)

On Sun, 24 Sep 2000 22:33:45 EDT, k9iua@juno.com wrote:

>
> - why does it seem on totally empty bands (for
> SSB and CW), I seem to always hear the
> digital folks? and loud ones at that?

Pretty clear that propagation exists even though there is no non-digital
traffic apparent. Some of the digital traffic may be from "unattended"
stations who have no human to "realize it."

> - why are the loudest voice signals, even on
> dead bands, from folks who are speaking
> in languages I don't know?

Its not unusual for N-S propagation to exist when there is no other. Central and South America fit the bill for us in the U.S. They tend to revert to "native " language when they think the band isn't open.

> - why do operators seem to go QRT or QSY just
> when I start calling them? or the band conditions
> suddenly weaken?

Randomness. At times randomness works the other way, thus in your favor too!

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> No, you don't want to go there from here by trying
> to answer these question -- I know they are
> unanswerable and are there just to frustrate me
> as a part of life.

Kevin, some of it, at times, is just the "Murphy factor." 73 Roy WA4D0U

>
> Thanks for reading! Good DX (if you want it)....
>
> Cheers/73. Kevin, K9IUA

Say Bye to Slow Internet!
<http://www.home.com/xinbox/signup.html>

Date: Sun, 24 Sep 2000 23:37:59 -0400
From: n4qa@juno.com
To: fxtech@earthlink.net
Cc: n4qa@juno.com, qrp-1@Lehigh.EDU
Subject: [80177] Re: What a great weekend for DX etc !
Message-ID: <20000924.233801.-85717.1.n4qa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi, Trev.
The HW-7 I now have was built by my Dad, W4MAI, around 1973. So, for

sentimental reasons, it'll stay pretty much stock. Dad now has an HW-9 (built by yours truly). Built one for me, too (both in 1991). I got rid of the xmit offset in the HW-9 so that when RIT pot is at center-detent , xmitr and rcvr are tuned to exactly the same frequency. Also, slightly retuned BFO and adjusted center frequency of audio filter for greatest response to a beat note of about 550 Hz. Got the HW-8 via eBay along with a bunch of other stuff.

73,

Bill, N4QA

Date: Sun, 24 Sep 2000 22:38:44 -0600
From: "Vernon L. Martin" <lmartin@uswest.net>
To: qrp-l@Lehigh.EDU
Subject: [80178] DOW KEY DKC-TRM-1
Message-ID: <39CED6D4.9A08C997@clsp.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is this some kind of T/R switch? I picked it up at a "free" table today at a hamfest. It's a little hunk of aluminum with 3 UHF connectors and a 6AK5 stuck in a hole in the middle.

Sorry for the BW, but it looks so QRP!

LOU
KC0BBE
Monument, CO

Date: Sun, 24 Sep 2000 22:40:37 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [80179] First QSO w/SMK-1
Message-ID: <038d01c026aa\$c1acd880\$d208710f@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thank you team Norcal!

Just finished my SMK-1. Great lil kit! I feel like I'm a black belt now in SMT construction! I sure did improve by the last few parts. Flux was the

key. Used a tooth pick to dab a lil on the pads before I mounted the part. Also, lots of wipes on the soldier tip. Clean iron and flux were my secret weapons. Started out using low flux soldier, then switched to normal flux and then added moore with the tooth pick. It really helped the soldier flow around those parts nicely. My first QSO was N7XJ/Bob in UT. Fun little rig. Need some audio filtering and keyer. But IT WORKS!!!

See you on 7038.5 Thanks agn, Steve/n0tu.

Date: Sun, 24 Sep 2000 23:38:26
From: Karl Banaszek <kaylon@golden.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80180] Apartment Antenna
Message-ID: <3.0.6.16.20000924233826.0a173a32@golden.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I recently moved into a 6 storey apartment on the 5th floor, which has a balcony with a steel railing around it. I can't put anything on the roof. I'm getting rather discouraged about the dim prospect of getting out, especially qrp. I've tried putting up an indoor dipole antenna but I found too much background noise and the xyl doesn't like all these dangling wires and RF. I don't like the idea of dangling wires out the window or balcony because of other tennants below my unit. There are also no trees close to the balcony to string up a dipole. The building manager has allowed me to put up an antenna on the balcony only when using it, and the antenna has to be taken down when not in use. I've started getting info on various antennas such as the spider antenna, superantenna's pw-1 portable, isotron's various antenna's, mfj-1621 portable antenna, Outbacker's stealth plus antenna, loaded whip as shown on elecrafter's web site and the hustler mobile antenna. I'm interested in DX and using the 10, 15, 20, 30 and 40 meter bands qrp. I would be pleased to hear from other ham's about their experiences, suggestions and recommendation on how to get out.

73

Karl, VE3NPQ

Date: Mon, 25 Sep 2000 06:12:37 GMT
From: aweiss@usd.edu (Ade Weiss WORSP)
To: qrp-1@Lehigh.EDU
Subject: [80181] Re: Apartment Antenna
Message-ID: <200009250527.AAA03483@sunburst.usd.edu>

Karl:

You have one thing going for you -- height. But the building will cut off signals trying to go thru it.

One thing that I would entertain in this situation is a pair of mobile whips mounted base-to-base and fed like a dipole. I'd use a pair of Hustler whips because the band loading sections just screw off. I'd rig up a wooden bracket that would get the whips 5-10-ft away from the building. A pair of 2x4's spaced wide enough for a third long "arm" 2x4 could be rigged to clamp to the iron railing. The setup would permit pulling the "arm" close in enough to change the loading sections. An easier "give it a try" would simply be a single 10-ft 2x4 that would slide under the bottom rail, anchored at the building end with a chair or something.

You could use the temp setup to get an idea of whether it would work.

One likely problem -- if there's a lot of noise inside, it might be pretty strong w. the ant. outside the building too, but you'd have to find that out.

Don't expect of whole heck of a lot of DX on 40/30. But there is no reason why you couldn't do very well on the high bands.

I'm sure other ideas will be suggested.

Good luck!

72, Ade

Date: Mon, 25 Sep 2000 02:52:22 EDT
From: WB9MII@aol.com
To: qrp-l@lehigh.edu
Subject: [80182] Little Wonder Antenna - How I put mine together
Message-ID: <6f.adbd743.27005026@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Howdy,
some folks here on QRP L have asked about the little wonder (or wonderbar) antenna. I put one together from an old 73 magazine article by W5ZBC (no date on the photocopy pages I was sent). Here's what I did.
got two 3 ft pieces of 3/4 inch copper pipe from the local hardware place,

and 1 dowel rod slightly wider in diameter than the pipes. whittle or sand down the ends of the dowel rod to fit snugly inside the ends of the pipes. You want an 8 ft vertical with 3 ft of pipe, 2 ft of exposed dowel rod in the center, then 3 more ft of pipe. Close wind the dowel rod with no 20 or so wire and attach each end to it's pipe. this is a center loading coil. Drill a hole at one end of the bottom pipe and run a screw and nut through it (this is your feedpoint). Put a rubber "foot" on each end. I stood mine up near a window with the feedpoint at the bottom. fed it with 13 ft or so of number 16 speaker wire to my MFJ tuner. hooked to my Century 21 it loads with 5W (maybe more if I tried it) on 80/40/20/15/10. this is kinda a homebrew version of that Joystick I was asking about here a week or so ago. Dunno for others but this is working like a champ for me. Checked into ILN on 80 meters, and working guys on 40 and 20. (worked a fellow QRP'er on 20 in TN and he swore I was 599). I'm pretty happy with it myself and wish I'd have known about it a long time ago

72

Greg

Date: Mon, 25 Sep 2000 04:48:01 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <WB9MII@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [80183] Re: Little Wonder Antenna - How I put mine together
Message-ID: <003001c026cd\$514e21c0\$0100a8c0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: <WB9MII@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, September 25, 2000 2:52 AM
Subject: Little Wonder Antenna - How I put mine together

> Howdy,
> some folks here on QRP L have asked about the little wonder (or wonderbar)
> antenna. I put one together from an old 73 magazine article by W5ZBC (no
> date on the photocopy pages I was sent). Here's what I did.
> got two 3 ft pieces of 3/4 inch copper pipe from the local hardware place,
> and 1 dowel rod slightly wider in diameter than the pipes. whittle or
> sand
> down the ends of the dowel rod to fit snugly inside the ends of the pipes.
> You want an 8 ft vertical with 3 ft of pipe, 2 ft of exposed dowel rod in
> the

> center, then 3 more ft of pipe. Close wind the dowel rod with no 20 or so
> wire and attach each end to it's pipe. this is a center loading coil.

Drill

> a hole at one end of the bottom pipe and run a screw and nut through it
(this

> is your feedpoint). Put a rubber "foot" on each end. I stood mine up near
a

> window with the feedpoint at the bottom. fed it with 13 ft or so of
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> 16 speaker wire to my MFJ tuner. hooked to my Century 21 it loads with 5W

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> version of that Joystick I was asking about here a week or so ago. Dunno
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> others but this is working like a champ for me. Checked into ILN on 80

> meters, and working guys on 40 and 20. (worked a fellow QRPer on 20 in TN

> and he swore I was 599). I'm pretty happy with it myself and wish I'd
have

> known about it a long time ago

> 72

> Greg

>

You forgot to tell us how many turns are in the coil?

sounds like your having fun.

73 Dave

Date: Mon, 25 Sep 2000 10:49:58 +0100

From: Vic Winton <Vic.Winton@trafford-press.com>

To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>

Subject: [80184] RE: Info on C & D cells current capacity

Message-ID: <C94AC5B1B413D411ABDC009027177A641C68@trafford01.trafford-press.com>

MIME-Version: 1.0

Content-Type: text/plain

Hi Gang,

Thanks to everyone who replied to my question on using C or D cells to boost
gel cell voltage.

All ideas noted (including "why bother")and I will be posting the results
shortly.

Thanks again !!

Regards,

Vic Winton GW4JUN

-

Date: Mon, 25 Sep 2000 06:24:43 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <lmartin@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [80185] RE: DOW KEY DKC-TRM-1
Message-ID: <CKEGICNFDIMCEKEDCEHFMEAIEDAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Yes it's a T/R Switch Lou. It requires external power ~ 125VDC and 6VAC. It should be connected as close to the transmitter as possible.

73 Ed Tanton <n4xy@arrl.net>

website: <http://www.qsl.net/n4xy/>

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> Vernon L. Martin
> Sent: Monday, September 25, 2000 12:39 AM
> To: Low Power Amateur Radio Discussion
> Subject: DOW KEY DKC-TRM-1
>
>
> Is this some kind of T/R switch? I picked it up at a "free" table today
> at a hamfest. It's a little hunk of aluminum with 3 UHF connectors and
> a 6AK5 stuck in a hole in the middle.
>
> Sorry for the BW, but it looks so QRP!
>
> LOU
> KCOBBE
> Monument, CO
>
>

Date: Mon, 25 Sep 2000 07:18:33 -0400
From: "OSVALDO DANGELO" <lu7fdz@profarnet.com.ar>
To: <qrp-1@lehigh.edu>
Subject: [80186] Need MODEM CHIPS TCM3105
Message-ID: <022989de\$b5c4a060\$LocalHost@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Friends:

 I need several Modems Chips TCM3105.
Somebody knows where I can buy.
You one in their home ?

 Greetings:
 Oswald - lu7fdz

Date: Mon, 25 Sep 2000 07:15:27 -0600
From: "Bruce Kizerian" <kizerian@ced.utah.edu>
To: <jamesd1@flash.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80187] Re: PHds and Filters
Message-ID: <020e01c026f2\$ac7713c0\$de56d9d8@sarcos.com>

James

Sorry, I hope I did not offend. Your email proves that you are a great teacher, and I did not mean to imply that math was not a necessary part of design and analysis. And it, certainly, is not my intention to imply that low math experience or aptitude somehow makes a person a creative designer. My problem is that I am neither creative or good at math. I do okay when I can develop my designs on the bench. I believe that that is the best place for a beginner to start learning.

>A low pass filter can be described by:

>

> $V_{out}/V_{in} = 1/\sqrt{1 - Kf(w/w_c)}$

>

> w is the frequency of interest, w_c is the cutoff frequency, K a constant
> and $f(w/w_c)$ the function that describes the shape of the frequency
response

> of the filter. The appropriate $f(w/wc)$ will give you a Butterworth,
Bessel,
> Chebychev, Gaussian, or whatever response. if w/wc appears squared in
> $f(w/wc)$ then it is a second order filter, if it is cubed it is third
order,
> and so forth. For a Butterworth filter $f(w/wc)$ is $(w/wc)^{2n}$ where n is
the
> order of the filter.

In fact, I used this formula years ago to write a simple 2nd order filter
design program in Basic. I still use it from time to time. It seems to work
okay.

>daughter's TI-83, the Graphing
> Calculator desk accessory on my Mac, or MathPad, a free Mac application.
> There are probably similar programs for the PC.

My daughter, also, has a TI-83. This is a very straight forward, easy to use
calculator. I recommend it to anyone with scientific calculator experience
who has a need or desire to do some graphing. Also, I just purchased
Mathematica and Calculus Whiz for my daughter--should be in the mail today.
I did this because both of us struggle with calculus. Hopefully, this
software will help us out. If anyone is interested, I will report on our
experience with this software.

> I think that analysis should complement bench work. You can't do effective
> design without both.

I have used SPICE-based programs for years, and have finally got a handle on
when they give good results and when they will not.

I failed to mention one other reference that is very useful for filter
design. A fairly simple procedure for designing passive bandpass filters is
found in Hayward and DeMaw's Solid State Design for the Radio Amateur. I
have used this a few times with excellent results.

73

Bruce kk7zz

Date: Mon, 25 Sep 2000 09:24:05 -0400
From: "Ed Nelson" <edxnelson@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [80188] NC-20 Problem

Message-ID: <005e01c026f3\$e0f78480\$2c490b18@prntn1.nj.home.com>

Finished putting the NC-20 together yesterday and got no voltage at the RF point when I tried to tune the transmitter (also no reading on a very sensitive watt meter in front of the dummy load). I shut off the keyer side tone and there was no transmitter sidetone with key down. I re-checked for solder bridges and correct part placement and orientation and everything looks good. The receiver and everything else seems to work fine. Anyone have any suggestions where I should start looking?
Ed W4EN

Date: Mon, 25 Sep 2000 09:49:19 -0400
From: Jake Brodsky <frussle@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [80189] Re: TS-50 Power reduction needed
Message-ID: <0klussc53mbe5ap05i0j9ku20l7ff0s455@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Sun, 24 Sep 2000 17:19:14 -0700, NN6CW wrote:

>Hi Aron & the gang,
>
>You need to read, "'Honey - I Shrunk the Rig" by Bob Gobrick WA6ERB.
>Here's the URL: <http://sun502.ramk.fi/~te8paloa/scanner/mods/Ts50.txt>
>
>This QRP mod involves removal of the rig's covers and re-adjusting one =
or=20
>two pots for low power setting. Be aware that the Kenwood ATUs *may*=20
>require 10W to auto-tune, so changing the low power setting on the TS-50=
=20
>*could* result in insufficient power to actuate the Kenwood ATU - if you=
=20
>use one. This mod's been around for a long time - simple to do, and =
simple=20
>to reset to factory defaults.

Having done this modification myself, here is my recommendation: Set

the Medium power pot for the QRP level. I want High to mean high, and the Low setting is used deliberately by the auto tune mode with the antenna tuner. =20

In my case, I set medium power to exactly five watts so that I could use the TS-50 with my Ten-Tec 6 Meter transverter. It works very well, the auto-tune function on the antenna tuner works just as it did before, and the only problem is remembering that "medium" means QRP. I never used the medium setting much anyway...

73,

Jake Brodsky, <mailto:frussle@erols.com>

"Nearly fifty percent of all graduates came from=20 the bottom half of the class."

Date: Mon, 25 Sep 2000 07:22:38 -0700
From: Torell Kent-P12255 <Kent_Torell-P12255@email.mot.com>
To: "'Tom Whiteside'" <n5tw@igg-tx.net>
Cc: "'qrp-1'" <qrp-1@lehigh.edu>
Subject: [80190] RE: N5TW Bubba log
Message-ID: <6D3B40A2556FD2118B0D0008C7BA848C033B137C@az25exm01.geg.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> -----Original Message-----

>

> Here is our Bubba log if it is not too late...

>

> Tom Whiteside

> N5TW Georgetown, TX

>

It's not too late! And, this should serve as a reminder to all BUBBA folks to get that log in. I would like to post the final results before Halloween and the Zombie shuffle stuff kick in.

A couple of items have surfaced in the logs: you DO get contact points for a foreign country (i.e., DX), and it counts as a multiplier. So, add 'em in there if you didn't! I'll take amended logs.

Some nice comments with the logs. Looks like folks went to great lengths to make it fun! Just the ticket :-)

Remember, if it isn't fun, you aren't doing it right.

BUBBA log scorer
Kent Torell AB7OA p12255@email.mot.com

Date: Mon, 25 Sep 2000 10:35:41 EDT
From: W1R0@aol.com
To: kaylon@golden.net, qrp-1@lehigh.edu
Subject: [80191] Re: Apartment Antenna
Message-ID: <4c.ac50c28.2700bcbdb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I lived on the 7th floor in Hawaii when first licensed in the 70's. Same problem you have. I used the balcony railing with a tuner and worked 10-80 meters. I first made sure the railing was not attached to the building ground system and lucky for me it wasn't. In other locations I've also used a kids slinky stretched over a PVC. The PVC cut to fit snugly between the balcony ceiling and floor. 1/4 inch dowels through the top and bottom of the PVC several inches in from the end to hold the slinky. Adjust the SWR by moving the Gator clip soldered to the center conductor up and down the slinky. With those new SWR Analyzers it only takes a couple of minutes. Grounding not the best is through the building.

Good Luck
72
Jim
W1R0/7
Lost in Vegas

Date: Mon, 25 Sep 2000 08:09:59 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [80192] Summer QRPp in the mail today
Message-ID: <01c02702\$abf434e0\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The summer issue of QRPp will be delivered to the post office this morning. Don't worry, if your subs expired with the Spring issue recently mailed, you were left on the mailing list. Please check your mailing label. If it says last issue Spring 00, or Summer 00, then you will have to renew to get the fall issue which will be mailed the last week of October. Thank you for

your patience and understanding.

If you have questions about your subscription, please contact our database manager, Paul Maciel, AK1P.

pmaciel@inow.com

72, Doug, KI6DS

Date: Mon, 25 Sep 2000 10:24:43 -0500 (EST)
From: igeq100@iupui.edu
To: Chuck Carpenter <w5usj@globeco.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [80193] Re: Brass Thin-Wall Hobby Tubing ??s
Message-ID: <Pine.GS0.3.96.1000925102329.12924F-100000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Chuck -

Try Hobby Lobby for a local source, or www.smallparts.com for an extensivse source of many such items.

73,

Richard Meiss, WB9LPU

On Sun, 24 Sep 2000, Chuck Carpenter wrote:

> Folks,
>
> A few years ago when I was in a Michael's store, I saw a rack of hobby
> stuff that included small diameter brass tubing of various sizes. At that
> time, the store had a model train, car, and plane section. They don't seem
> to have this department now.
>
> Anyone know of a source for the tubing?
>
> I would like to find some of this tubing to make a gamma matching section
> for V/UHF antennas.
>
> Any comments and suggestions greatly appreciated.
>
>
> Chuck Carpenter, EM22cv, Point, Rains County, Texas

>
>

Date: Mon, 25 Sep 2000 08:36:56 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [80194] CQWW RTTY contest QRPp
Message-ID: <20000925153656.10810.qmail@web702.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Most of us know about the CQWW CW & phone contests. I've played in those many times, but never knew there was a seperate contest for RTTY. After "discovering" PSK31 this spring, and then RTTY I decided to have a good go at this one.

It started out friday evening, but I missed that and got a start saturday morning. I took many breaks saturday, and didnt anything that evening. Sunday I had a day to myself and stayed with.

I got 36 contacts saturday, and 47 more Sunday. All over Europe - HA9, I2, RA3, OM3, RW2, GI0, OK2, S50, GW8, OL5, G5, F5, PA3, EC8, RU1, GM5, DL5, EA8, YL7, SM6, ON4, UT9, OH2, & EA7. South America/Caribbean - CP6, KP2, H01, HC8, PJ2, 8P6, C08, HC1, P3A, VP5, P43, HK3, FY5, LT0, & PY2. VE, & VY, ZL2, JH4, AH8, KL7, AH6, and the very cool KH0/JH8 station!

Even the odd ball, 4U1WB, or World Bank! Did you notice the FY5? Thats French Guiana! Ive never seen that country on CW.

I was able to work almost everyone I tried, given enough time. :) I worked up and down the bands, and bypassed the bigger pile ups. Comeing back to them only after the pileup deminished.

Afew did get away from me, and I regret that. Noteable are, CN8, 9M2, 9M6, and FR5. On these I wimped out and went "QRO" to 1.5 watts, and still didnt get em.

I ran 750mW from my Elecraft K2, WM-2 QRP wattmeter, into 2 ele 10/15 quad at 70FT. The computer is a

Toshiba Satellite notebook with soundcard. Running TrueTTY software, and AaLog.

On my webpage you can find links to some digital ham websites, where you can download free software.

Afew times I dipped down to 350-500mW and still was able to make contacts if in the clear.

If a person wanted to run 5 watts, no telling what they might do!!

If its true that QRP can give new life & excitement to bored QRO ops, let it be known that the digital modes can also give new life to QRP ops who think they have "done it all".

CW will always be the QRP king, but these digital modes are really fun too. All you need is a sound card on your computer. Even older non-pentium computers can do RTTY and PSK.

There's even Field Hell mode that dosnt require a SSB rig! Yeah! You can use a CW only rig!!

Enjoy all the flavors of QRP.

Jim KJ5TF
"All Milliwatts All The Time"

=====

<http://www.madisoncounty.net/~kj5tf/>
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
<http://www.qrparci.org/arcijoin.html>
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Do You Yahoo!?

Send instant messages & get email alerts with Yahoo! Messenger.
<http://im.yahoo.com/>

Date: Mon, 25 Sep 2000 08:43:23 -0700 (PDT)
From: Rod Cercone <n0rc@yahoo.com>
To: edxnelson@home.com, [qrp-1 <qrp-1@Lehigh.EDU>](mailto:qrp-1@Lehigh.EDU)

Subject: [80195] Re: NC-20 Problem
Message-ID: <20000925154323.2159.qmail@web903.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Ed Nelson <edxnelson@home.com> wrote:

...

> Anyone have any suggestions where I should start looking?

Run through all the DC voltage checks (in the manual) for all components associated with the XMTR, starting from the VFO working toward the PA. If that doesn't reveal the problem, make up an RF probe, and starting from the VFO work toward the PA looking for where the signal is lost. Don't worry about actual RF voltage levels at this stage just figure out where the sig is being lost.

Once the faulty stage is isolated, more detailed tests can be performed to reveal the cause of the problem.

GL

=====

73, Rod N0RC

Do You Yahoo!?

Send instant messages & get email alerts with Yahoo! Messenger.
<http://im.yahoo.com/>

Date: Mon, 25 Sep 2000 09:00:00 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [80196] Club Kits: NorCal Epiphyte 3 SSB Transceiver
Message-ID: <01c02709\$a930a3e0\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The long awaited Epiphyte 3 SSB transceiver kit is here. NorCal is taking orders for this kit designed by Derry Spittle, VE3QK. The cost for the board and parts kit is \$100, plus \$5 shipping and handling. To order, send me a message and I will send you an order number, then, send Jim Cates a money order or check for \$105 made out to Jim Cates, NOT NorCal, and please

enclose a self addressed money order. With your check, please send Jim your order number obtained from me. We are doing it this way as there are only 100 of these kits being done.

The Epiphyte 3 is a SSB transceiver that puts out a full 5 watts using an IRF510 as a final, driven by a CA3020. The SSB filter is a 455 kHz Murata CFM455J1. This rig is used nightly by a group in British Columbia for local communications and to check into the BC SSB Net. It is the same rig that Vern Wright, W6MMA has been showing at several QRP gatherings.

The kit consists of a NorCal quality double sided, silkscreened board, manual, all board mounted parts, and it includes the 10 turn pot, antenna connector, and power connector. It does not include the microphone or headphone connectors. We have left those up to you. The rig works great with the MFJ speaker mike by the way. It does not come with a case, but will fit a TenTec case. If you want digital readout, the rig will work great with the Digital Clock Counter from Blue Sky Engineering. (not supplied with kit).

If you have ever wanted to build a SSB rig, this is the one. But, I must encourage you to act fast. We are only doing 100 of these kits, and will not do another run. (I had to go to England to get the filters, and my wife won't buy that line again. grin).

Ok, to recap, if you want a NorCal Epiphyte 3 SSB transceiver kit, you need to do the following:

Send me an email with Epiphyte 3 in the subject line. Send to:

ki6ds@dpol.k12.ca.us

Tell me how many kits you want. I will reply with an order number. Print that out, and send it to Jim Cates along with your check or money order for \$105. We will ship the kits in about 2 weeks. 72, Doug, KI6DS

Date: Mon, 25 Sep 2000 10:52:34 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'hosinsky@jet.es'" <hosinsky@jet.es>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [80197] RE: Clamping beam elements
Message-ID: <E78D8A9D6762D411B5440008C791D4AA199B44@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

If you use the correct type of element conductive grease, Goran,

there is no need to tape the joint to protect the grease. Most modern, conductive-grease pastes are non-running (even under high temperature conditions) and even if they collect dust and grime from the air (as greases are wont to do!), that won't affect the molecule-to-molecule conductivity of the grease and the two pieces of aluminium it's working with.

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: Goran Hosinsky [SMTP:hosinsky@jet.es]
> Sent: Saturday, September 23, 2000 4:17 AM
> To: Low Power Amateur Radio Discussion
> Subject: Clamping beam elements
>
> Hi,
>
> I am rebuilding my Sommer beam which has been up for about
> 15 years. The original clamping between one aluminum tube
> and the next in the element is done with a special clamp having
> a screw going through a hole in the outer tube pressing on the
> inner tube. This system has worked loose and is probably a
> source of bad contacts.
>
> I am thinking of slitting the tube end with a metal saw and then
> using a normal stainless steel hose clamp to press the tubes
> together. Is that a good solution?
>
> I will use a aluminum contact grease between the tubes to
> avoid oxidation. Somewhere I have seen a recommendation
> on winding the tube juncture with tape to protect the the
> grease. Is that a good idea?
>
> Saludos
> Goran ea8yu La Palma Island, Canary Islands

Date: Mon, 25 Sep 2000 12:27:27 -0400
From: bob confrey <bob.confrey@SciAtl.COM>
To: QRPL <qrp-l@lehigh.edu>
Subject: [80198] Antennas Feedline question....
Message-ID: <39CF7CEF.2C914817@sciatl.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have some old (12 yrs) RG-8 coax, about 75 to 85 feet long, that I'd like to test to see if it's still good. It appears undamaged. I have an MFJ-259 SWR analyzer. Can I use the analyzer to test it? I have heard that you can terminate one end of a 50 Ohm transmission line with a 50 Ohm resistor, sweep it with the MFJ analyzer and you should see a flat response (SWR) across the HF range. Is this true?

Thanks!.....Bob...WA1EDJ/4.... Monroe, GA.

Date: Mon, 25 Sep 2000 12:38:13 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <bob.confrey@SciAtl.COM>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80199] Re: Antennas Feedline question....
Message-ID: <000901c0270f\$04976fc0\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The only problem is if you do this, and the cable is lossy from corrosion,
the lossiness can hide a bad SWR.

In my opinion, I would think it would be best to just sweep it for RF, and
see what you get out compared to what you put in.

Besides, if the cable deteriorated so that it's trash on VHF, it might still
be quite acceptable for HF operations.

Should I assume connectors are still on the ends? If so, I would remove the one from the end that was outside, and cut the cable back a foot or so. Take the piece you cut off, and 'take it apart', looking for corrosion
or other evidence of deterioration. If you find any, cut off another foot,
till you're guaranteed a clean end.

Mike

> I have some old (12 yrs) RG-8 coax, about 75 to 85 feet long, that
> I'd like to test to see if it's still good. It appears undamaged. I
> have an MFJ-259 SWR analyzer. Can I use the analyzer to test it? I
> have heard that you can terminate one end of a 50 Ohm transmission

line

> with a 50 Ohm resistor, sweep it with the MFJ analyzer and you should
> see a flat response (SWR) across the HF range. Is this true?
>
> Thanks!.....Bob...WA1EDJ/4.... Monroe, GA.

Date: Mon, 25 Sep 2000 09:54:54 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [80200] Epiphyte 3 on 75 meters SSB
Message-ID: <01c02711\$542349e0\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Oops, forgot to say that the rig covers 200 kHz on 75 meters, you pick the
portion of the band. 72, Doug

Date: Mon, 25 Sep 2000 09:41:02 -0700
From: Mike Gipe <mgipe@reliablemeters.com>
To: n0tu@webaccess.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [80201] RE: Complete DXer - SOLD OUT - gone!
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928EFB3@mission>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

You'll only be able to get my personally autographed copy at the estate
sale.

But you might have better luck contacting Idiom Press, the same guys who
sell the CMOS III keyer.

Mike K1MG

> Bob Locher's book is unavailable from most sources. I've
> tried Amazon they
> say they can't find any more. I tried the used sources on the

> web as well.
> Anyone care to loan or sell their copy? Steve/n0tu
>

Date: Mon, 25 Sep 2000 09:56:24 -0700
From: Bill Jones <kd7s@psnw.com>
To: mgipe@reliablemeters.com, qrp-1@lehigh.edu
Subject: [80202] Re: Complete DXer - SOLD OUT - gone!
Message-ID: <39CF83B8.511BE22B@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Mike,

Can you give me the date for your upcoming estate sale. Gosh, I didn't even know you were sick. Sure hope you can hang on until Pacificon I'd like to see you once more before you go. Oh, and if you can make it to Pacificon, could bring your copy of the Complete DXer along?

Sorry Mike, I just couldn't resist. Besides, I have my own copy.

Mike Gipe wrote:

>
> You'll only be able to get my personally autographed copy at the estate
> sale.
>

--

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Mon, 25 Sep 2000 13:01:36 EDT
From: RangerSF5@aol.com
To: Vic.Winton@trafford-press.com, qrp-1@lehigh.edu
Subject: [80203] Re: Info on C & D cells current capacity
Message-ID: <4d.13ead94.2700def0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 9/25/00 5:53:35 AM Eastern Daylight Time,

Vic.Winton@trafford-press.com writes:

<<

Thanks to everyone who replied to my question on using C or D cells to boost
gel cell voltage.

>>

Hi Vic,

Sure would be nice if that info was posted to the list.

Something I been trying to find out for some time

Bob

WA2HOQrp <tm>

Date: Mon, 25 Sep 2000 19:07:31 +0200
From: "Hans Kaper" <hanskap@kaper-1.tmfweb.nl>
To: <qrp-l@lehigh.edu>
Subject: [80204] got it!
Message-ID: <000901c02713\$19eb8060\$b016643e@tm981195>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

Got my number, thank to you all. I'll behave and look better at my old mail
from now on!

Hans Kaper PA3HGM

QRP-L #2262

Date: Mon, 25 Sep 2000 10:16:54 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [80205] Epiphyte 3's are going fast
Message-ID: <01c02714\$673aa660\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Whoa, what a response. 34 of the 100 kits are spoken for!! I guess there
is some interest in 75 M SSB rigs. Also, this kit is all through hole
parts, every last one of them!! I should also mention that the rig has a
VFO and covers about 200 kHz of the band. 72, Doug

Date: Mon, 25 Sep 2000 10:18:54 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [80206] Jim Cates mailing address for Epiphyte3 orders
Message-ID: <01c02714\$aeb1f020\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, here is Jim Cates Mailing Address for ordering the Epiphyte 3.

Jim Cates
3241 Eastwood Rd.
Sacramento, CA 95821

Thanks, Doug, KI6DS

Date: Mon, 25 Sep 2000 14:07:41 -0500
From: "Rick - WW9JD" <ww9jd@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80207] Re: Apartment Antenna
Message-ID: <39CF5C31.8699.1735EFD@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Depending on its size, the balcony railing should make for a good ground plane for a mobile whip. I live in a mobile home (which makes for an excellent ground plane), and contacted Austria with 3 w and a 20m whip. I don't have any experience with it, but I like the band switching capability of the Outbacker. I'd recommend using a quick disconnect mount for the antenna.

73,

Rick
<><

Rick Dubbs WW9JD

Greenwood (near Indianapolis), Indiana USA

Date: Mon, 25 Sep 2000 12:22:50 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [80208] Epiphyte 3 kits. 50 sold, 50 left
Message-ID: <01c02725\$feb7b760\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys we are at the half way point in Epiphyte 3 SSB Transceiver kits for 75 meters. As the subject line says, half are spoken for at this point. If you want one, hurry. There will only be this one run of 100 kits. 72, Doug

Date: Mon, 25 Sep 2000 15:52:16 -0400
From: "Juan Ferrari" <puntrad@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [80209] Desoldering tools
Message-ID: <01de01c0272a\$1ba93e80\$5e35f2d8@juan>

Hi gang,

I would like to have some advise on desoldering tools for light jobs.

Tnx in advance es 73

Juan Ferrari
KG4FSN

Date: Mon, 25 Sep 2000 16:51:39 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: G-QRP Club E-mail Reflector <gqrp@onelist.com>, KnightLite QRP Club <klqrp@applegate.org>, "N.J. QRP Club List Server" <njqrp@njqrp.org>
Subject: [80210] Was Re: Repairing Die Cast Boxes (LONG)
Message-ID: <Pine.BSF.4.21.0009251437220.41366-100000@u1.abs.net>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

It seems that Recycling Die Cast Boxes has become the in thing to do again. Packaging QRP/Homebrew Projects must be on the upswing again.

I Just went down to the shop to see if I could dig up the information on some of the Products that I have found useful for this purpose.

Please bear in mind that these are not the only products that are useful in accomplishing the task. I know that I have used many others over the years, these are just a few that I still have the cartons or other ordering information intact.

I had some other Aluminium Brazing Rods (Special Flux built in the rod), but I havn't had a chance to contact the person that I bought them from to see if he was still in business.

One of the British chaps mentioned Lumiweld, which may be a similar product. Which brings up another point, often we are talking about the same or similar product that has a different name in different parts of the world. Even Candy bars go by different names. M&M's and MARS Bars are two that come to mind. (U.K. Candy is better, IMHO :^) Cadbury's are not the same in USA and UK, I don't care what they say on the label. :^)

Another Product which may be similar is J.B. Weld here in the USA, in U.K. they have something called Araldite (sp?) which is a good epoxy weld product.

That reminds me also of another useful product that I found in U.K. but not over here in U.S.A. It is fusable wire. They Actually have Electric Plugs that have terminals inside for a length of Fuse Wire. I think I found some in the TANDY Store (u.k. Name for Radio Shack). I used it to make an adapter plug for my razor as I recall.

Of course I bought a small supply back home as well. Use: On board fuse link. Remember how some designs include a skinny PCB Trace as the Fuse? Why not use the real thing to fix it. Of course you could install a fuse holder or solder in a real fuse, but this is so much simpler. Reminds me of the old days and finding #24 Guage Copper Fuses in the Telephone Equipment power units. (A BIG NO NO over here). Low temperature Solder is much better :^) FYI #24 Guage Copper is good for about 30 amps. Not good in place of a 5 Amp fuse. :^)

NOTE: These Addresses and Telephones have not been checked recently.

1. J.B. Weld (2 part Epoxy) (Steel) Part# 8265-S
P.O. Box 483 Sulphur Springs, Texas 75483
(903)885-7696 Fax (903)885-5911

I believe they have several different mixtures. Some Aluminum, Some Steel, Etc.

2. Solder-it <<http://www.soldet-it.com>> (800)897-8989 Fax (216)721-3700
BOX 20100 Cleveland, Ohio 44120 Kit \$ 59.00 + \$ 6.50 S/H
(Ohio residents add 7% sales Tax) Recent Advert in CQ Magazine.

The kit contains 4 different Soldering Pastes and a Small Butane Torch. Silver Bearing Paste, Copper Bearing Paste, Aluminum Paste, and Pot-Metal Paste. (I assume that is part Zinc).

The Paste is also sold separately. I have a tube which they Call Plumbers Solder (CSP-41) Kool-it Brand of Solder-it. Same as the Copper Bearing paste above. Flows at 430 Degrees F.

3. Aluminum Brazing Rod material. (Melting point 717-728 Deg. F)
My notes show two suppliers. I have to check them both soon.

Double Bond by Pioneer Supply, Inc. 830 W. Peachtree Street Suite 105
Atlanta, Georgia 30308 24 Rods for \$ 20.00 50 Rods \$ 40.00 + \$3 S/H
(Original price, several years ago)

I think this is the stuff that they used to Demo at Hamfests, Dayton, Etc. Usually Seen Punching a hole in the bottom of an aluminum soda can with an Awl, then heating it with a propane torch and touching the Aluminum Brazing Rods to the hot surface making a pool of solder. Let it cool and then try to puncture the same spot with the Hammer and Awl.

Hey, It works... I repaired my Lawnmower housing with it. The Wheel Broke off where it attached to the housing. It broke again this year after running into the steps out front. Only three wheel mower in town :^) Not bad when you consider that it held for ten years. and the break is actually not the same spot. The original repair is still holding!

I think this is the Double Bond, but I have to try to order more to be sure.

I also have a note about J A Bett Crafts 8303 James Street, Upper Marlboro, MD 20772 (301)868-5413

I am thinking that he was a local distributor.

Now I seem to have lost my original Posting on Repairing Holes in Pomona Boxes (Aluminum Die Cast Boxes).

I will try to recall and list a few of them here. Some are mine and some are contributions of others. That is the nice thing about these type of

threads, we get new ideas for our "Project Idea Notebooks". Mike C. Has the "Idea Exchange" in the QRP ARCI Quarterly. That is where we send the better ones, to get them down on paper for all to share.

So just remember that if you have an Idea that you think might be useful to the rest of us. Don't hide it in the notebook, send it in to your favorite QRP Publication for all to share. Just keep in mind that everyone doesn't get every publication. Send it to ALL QRP Publications. Let them figure out which to print :^)

I have recently suggested that someone Compile and Print the GDO thread.

That is a very good example of something worthwhile for the FAQ on QRPL.

Heck, even the old Dare I say, "Q-Dope Thread" was useful for many on the list. I Still have a Fresh bottle of the Real Stuff :^)

Got off on another track again..

How to fix the hole in the box?

1. Cut out an Aluminum Disk or PCB Dick and press it into the hole. This can then be covered with a piece of Heavy duty Aluminum Foil Tape (Real Duct Tape).

If PCB material is used, it can be soldered to the PCB Material that you cut to fit inside of the box. Manhattan Construction Base.

2. The Aluminum Disk can be epoxied in place or Aluminum Brazed in place.

This is assuming that you are filling a Meter Hole in the top or bottom of the box. A lot depends on if you are trying to reuse the bottom for a panel or not. Some projects work better to use the bottom of the box as the front panel. Take the back off (Top) for show es tell or repairs.

3. The Aluminum Foil Tape can also be used to line the wooden box for RFI.

Copper Foil tape is available, but rather expensive. Rolls of Copper Flashing material is a better choice. Available at most Home Building Supply Stores. Use Small Brass Linolium Brads to fasten it to the wood and solder up the seams.

Speaking of the Brass Brads, I made up a nice Power supply unit with Scrap PCB (Double Sided), a bottle of Brass Brads (linolium Brads) They have a Round Head on them llike a rivit. About #18 GA as I recall.

Use 1/2" X 3/4" clear pine moulding strips to make a wooden framework base. Carefully mark and drill holes in the PCB. Remember to offset the holes on the corner a bit to allow the nails to go in without splitting

the wood or banging into each other. If you really want it to look nice, only a few nails to hold it until you are ready for the final assembly. Put a cardstock (Paper) washer under them so that you can remove them without damage to the PCB.

When you have all the pieces of PCB cut, you can begin the assembly. A good idea to test fit all first. Use masking tape to hold it until ready for final. Blue is best, as it comes off without leaving residue on the boards. Regular gets dry and tough to remove in a day or so.

I took the four pieces of Trim Wood and made a "SQUARE FRAME" Actually Rectangle with Square Corners. Then Take a Piece of PCB and place on top of the frame. This is your FLOOR. Here you have a choice, Either make the Circuit right on this piece and do the wiring and soldering on the underside just like any normal PCB. or use as a base for Manhattan Style Construction, or just leave it as a ground plane base and Mount your Real Circuit Boards on Standoff insulators. Good if you want the Main Box to be a RFI Enclosure.

The four sides are stood up around the base and held with a clamp or tape while you solder the seams. Make sure you clean the PCB good with steel wool or Scotch-Brite Pads and apply flux before soldering. Liquid Flux is best here, although paste is also good. O.K. to use your regular Rosin Core Solder, but use the flux in any case. Actually Silver Solder is best.

You also have a choice of leaving the sides in this form and using small sheetmetal screw to secure the sides to the base. This makes it removable.

I soldered the side seams to the base in my project, leaving the lid as the removable part. For the lid, I made another Wood Frame to fit the top of the box and covered with a PCB Top. Fastened with Brass Brads. Four Self Tapping Machine Screws Secure the lid. If you like to open it a lot, don't use any screws. the lid will stay in place nicely without them.

Now for the finishing touches, Polish all the PCB with extra fine steel wool and/ or Scotch-Brite Pads, and carefully drill all the holes for the nails/brads #56 Drill I think. You want the brads to go in snug. Don't forget to debur the holes if needed. When you are done, the Copper will shine like "Gold" use Lacquer thinner to CLEAN the PCB, Good Idea to wear plastic gloves, A finger Print will stand out like a Wart when you are done. :^) Then lay them out on newspaper and spray with CLEAR Lacquer or Acrylic Paint. At least TWO LIGHT COATS. and allow them to DRY thoroughly between coats. Heavy Coats = RUNS = More Work.

When all dry you can tap in the Brass Brads and your box is done.

Brass and Copper seem to be made for each other.

Really Bored, Make a box as above, Put a 3/32"-1/8" by 1-1/2"- 2" SLOT in the top, Then solder a Few Coins to the PCB (Epoxy might be Better).

WHY? A nice little Savings Bank for the GrandChildren...

Pat. Pend. :^) & (c) 2000 K3TKS

A special touch, if U.K. use American Coins, if U.S.A. use British Coins.

(Keeps them from spending the Decorations) :^)

DX Versions, Decorate as Appropriate. :^)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
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Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Mon, 25 Sep 2000 21:31:57 GMT
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [80211] Re: Need MODEM CHIPS TCM3105
Message-ID: <F291IXHbQbilavmMw0I0000486b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

OSVALDO DANGELO (lu7fdz@profarnet.com.ar) asked:

>I need several Modems Chips TCM3105.
>Somebody knows where I can buy.
>You one in their home ?

No. The TCM3105 is obsolete, long obsolete. There never was any surplus market for them, so there are

no surplus chips available.

Consider MX-614. It's not a drop-in replacement, but it does the same thing, and is still very much in production.

Hams seem to hate to do this, but sometimes you *do* need to retire designs that just can't be reproduced anymore.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
 - Hospital/Shafte

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Share information about yourself, create your own public profile at <http://profiles.msn.com>.

Date: Mon, 25 Sep 2000 15:31:59 -0500
From: markmilburn <markmilburn@netzero.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [80212] QRP ARCI CUB Kit Project
Message-ID: <39CFB63F.7D1C8C5B@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The MFJ CUB Kit Project by QRP ARCI is drawing to a close. The club made several batch buys from MFJ and has resold them to QRPers at a significant savings, but the end is now near. These single-band kits can be ordered from QRP ARCI for \$90.00 which includes shipping in the US (outside the US will require additional postage). The details are at <http://qrparci.org> and payment can be made by check, money order or credit card. There are only a few left, and they will be shipped in the order that payment is received, so if you want one, act fast. Beat the rush, and order your Christmas present now.

The remaining inventory is:

- 1-80 meter
- 1-40 meter
- 2-30 meter
- 3-17 meter

If you have questions, see the announcement on the web page, or send me an email.

72, Mark, KQ0I
kq0i@arrl.net

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Date: Mon, 25 Sep 2000 16:53:09 -0600
From: Pat Byers <pbyers@rttinc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [80213] Diplexers - all you need to know
Message-ID: <5.0.0.25.2.20000925164534.00a22b50@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I'm sure many of you are familiar with the fine QRP Homebrewers Web site by Todd Gale VE7BPO at <http://www.qrp.pops.net/>. Because of other commitments, it's been a long time since Todd has been able to make any updates. Well, the wait was worth it - two days ago Todd added a superb treatise on diplexers by Wes Hayward W7ZOI. Check it out at <http://www.qrp.pops.net/dip2.htm> It's worth it.

73,

Pat Byers VE6AAN
Ponoka, AB

End of QRP-L Digest 1955

